(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number: **0 344 542 A2**

(12) EUROPEAN PATENT APPLICATION

(21) Application number: **89109037.5**

(51) Int. Cl.4: **H01F 1/08**

(22) Date of filing: **19.05.89**

(30) Priority: **03.06.88 JP 135419/88**
15.07.88 JP 175087/88
06.10.88 JP 250850/88
26.12.88 JP 326225/88

(43) Date of publication of application:
06.12.89 Bulletin 89/49

(84) Designated Contracting States:
AT CH DE ES LI NL SE

(71) Applicant: **Sagawa, Masato**
12-17 Jige-cho Matsumuro
Nishikyo-ku Kyoto 615(JP)

(72) Inventor: **Sagawa, Masato**
12-17 Jige-cho Matsumuro
Nishikyo-ku Kyoto 615(JP)

(74) Representative: **DIEHL GLAESER HILTL & PARTNER**
Patentanwälte Flüggenstrasse 13
D-8000 München 19(DE)

(54) An Nd-Fe-B sintered magnet and method for producing the same.

(57) An Nd-Fe-B sintered magnet which has 0.5 %/° C or more of temperature-coefficient of coercive force (iHc) and a composition that R = 11-18 at% (R is one or more rare-earth elements except for Dy, with the proviso of 80 at%≤(Nd + Pr)/R≤100 at%), B = 6-12 at%, and balance of Fe and Co (with the proviso of Co is 25 at% or less relative to the total of Co and Fe (including 0 % of Co)) and impurities, is improved to have 15 kOe or more of coercive force (iHc) by means of further containing 2 - 6 at% of V and modifying the minority phase such that B in excess of a stoichiometric composition of $R_2Fe_{14}B$ compound-phase essentially does not form RFe_4B_4-compound minority phase but forms a finely dispersed V-T-B compound minority phase (T is Fe, and in a case of containing Co, T is Fe and Co).

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BNSDOCID: <EP_____0344542A2_I_>